

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application. Please cancel claims 33, 37, 41 and 46, and amend claims 32, 34, 36, 40, 42-45, 50, 60, 70, 71, 76 and 77 as follows:

Listing of Claims:

1-31. (Cancelled)

32. (Currently Amended) A method of selecting a compatible processor for addition to a multiprocessor computer, the multiprocessor computer having at least one current processor and having at least one additional location in which a new processor can be added, the method comprising:

storing processor compatibility information in a computer that is remote from the multiprocessor computer, the processor compatibility information identifying processors that are compatible with a plurality of processors that includes each current processor;

executing a computer program on the multiprocessor computer directing each of the at least one current processor to execute at least one instruction that allows the identity of each current processor to be determined, the computer program providing identifying information indicative of the identity of each current processor;

accessing the stored processor compatibility information to provide accessed processor compatibility information;

~~obtaining processor compatibility information indicative of processors that are compatible with a plurality of processors that includes the at least one current processor;~~

executing a computer program comparing the identifying information for each current processor in the multiprocessor computer with the accessed processor compatibility information to determine the processors that are compatible with each current processor; and

providing information identifying the processors that are compatible with each current processor before adding the new processor to the multiprocessor computer.

33. (Cancelled)

34. (Currently Amended) The method of claim ~~3233~~ wherein the act of providing information identifying the processors that are compatible with each current processor before adding the new processor to the multiprocessor computer comprises using the computer that is remote from the multiprocessor computer to provide the multiprocessor computer with information identifying the processors that are compatible with each current processor.

35. (Previously Presented) The method of claim 34 wherein the act of executing a computer program comparing the identifying information for each current processor in the multiprocessor computer with the processor compatibility information comprises executing a computer program using the computer that is remote from the multiprocessor computer to compare the identifying information for each current processor in the multiprocessor computer with the processor compatibility information.

36. (Currently Amended) The method of claim ~~3233~~ wherein the computer that is remote from the multiprocessor computer is connected to the multiprocessor computer system via the Internet.

37. (Cancelled)

38. (Previously Presented) The method of claim 32 wherein the act of executing a computer program comparing the identifying information for each current processor in the multiprocessor computer with the processor compatibility information comprises executing a computer program on the multiprocessor computer that compares the identifying information for each current processor in the multiprocessor computer with the processor compatibility information.

39. (Previously Presented) The method of claim 32 wherein the act of providing information identifying the processors that are compatible with each current processor before adding the new processor to the multiprocessor computer comprises displaying information identifying the processors that are compatible with each current processor.

40. (Currently Amended) A method of selecting a compatible processor for addition to a multiprocessor computer, the multiprocessor computer having at least one current processor and having at least one additional location in which a new processor can be added, the method comprising:

storing processor compatibility information in a computer that is remote from the multiprocessor computer, the processor compatibility information identifying processors that are compatible with a plurality of processors that includes at least one current processor;

executing a computer program on the multiprocessor computer directing each of the at least one current processor to execute at least one instruction that allows the identity of each current processor to be determined, the computer program providing identifying information indicative of the identity of each current processor;

accessing the stored processor compatibility information to provide accessed processor compatibility information;

~~obtaining processor compatibility information indicative of processors that are compatible with a plurality of processors that includes the at least one current processor;~~

providing identifying information indicative of the identity of the new processor before adding the new processor to the multiprocessor computer;

executing a computer program comparing the identifying information for each current processor in the multiprocessor computer with the accessed processor compatibility information to determine the processors that are compatible with each current processor, the computer program further comparing the identifying information for the new processor with the processors determined to be compatible with each current processor; and

providing an indication whether or not the new processor is compatible before adding the new processor to the multiprocessor computer.

41. (Cancelled)

42. (Currently Amended) The method of claim ~~4041~~ wherein the act of executing a computer program comparing the identifying information for each current processor in the multiprocessor computer with the processor compatibility information comprises executing a computer program using the computer that is remote from the multiprocessor computer to compare the identifying information for each current processor in the multiprocessor computer with the processor compatibility information.

43. (Currently Amended) The method of claim ~~4041~~ wherein the act of executing the computer program that compares the identifying information for the new processor with the processors determined to be compatible with each current processor comprises using the computer that is remote from the multiprocessor computer to compare the identifying information for the new processor with the processors determined to be compatible with each current processor.

44. (Currently Amended) The method of claim ~~4041~~ wherein the act of providing information identifying the processors that are compatible with each current processor before adding the new processor to the multiprocessor computer comprises using the computer that is remote from the multiprocessor computer to provide the multiprocessor computer with information identifying the processors that are compatible with each current processor.

45. (Currently Amended) The method of claim ~~4041~~ wherein the computer that is remote from the multiprocessor computer is connected to the multiprocessor computer system via the Internet.

46. (Cancelled)

47. (Previously Presented) The method of claim 40 wherein the act of executing a computer program comparing the identifying information for each current processor in the multiprocessor computer with the processor compatibility information comprises executing a computer program on the multiprocessor computer that compares the identifying information for each current processor in the multiprocessor computer with the processor compatibility information.

48. (Previously Presented) The method of claim 40 wherein the act of executing a computer program that compares the identifying information for the new processor with the processors determined to be compatible with each current processor comprises executing a computer program on the multiprocessor computer that compares the identifying information for the new processor with the processors determined to be compatible with each current processor.

49. (Previously Presented) The method of claim 40 wherein the act of providing information identifying the processors that are compatible with each current processor before adding the new processor to the multiprocessor computer comprises displaying information identifying the processors that are compatible with each current processor.

50. (Currently Amended) A system for selecting a new processor for addition to a multiprocessor computer having at least one current processor, the system comprising:

a first component on the multiprocessor computer that determines the identity of each current processor in the multiprocessor computer;

a second component remote from the multiprocessor computer that stores processor compatibility information indicative of processors that are compatible with a plurality of processors that includes each current processor;

a third component coupled to the first and second components to access ~~accesses~~ the processor compatibility information using the identity of each current processor in the multiprocessor computer to determine the processors that are compatible with the at least one current processor; and

a fourth component coupled to the third component that provides information identifying the processors that are compatible with each current processor before adding the new processor to the multiprocessor computer.

51. (Previously Presented) The system of claim 50 wherein the first component causes each current processor to execute an instruction that returns a value identifying the current processor.

52. (Previously Presented) The system of claim 51 wherein the instruction executed by each current processor is a CUID instruction.

53. (Previously Presented) The system of claim 50 wherein the first component transmits to each current processor at least one set of instructions for execution and determines the identity of each current processor in the multiprocessor computer from the results produced by the current processor from execution of the sets of instructions.

54. (Previously Presented) The system of claim 50 wherein the first component calls operating-system specific system calls to determine the identity of each current processor in the multiprocessor computer.

55. (Previously Presented) The system of claim 50 wherein the second component comprises a memory that stores processor compatibility information indicative of processors that are compatible with a plurality of processors that includes each current processor.

56. (Previously Presented) The system of claim 50 wherein the second component comprises a computer that is remote from the multiprocessor computer, the remote computer being coupled to the multiprocessor computer and storing processor compatibility information indicative of processors that are compatible with a plurality of processors that includes each current processor.

57. (Previously Presented) The system of claim 56 wherein the remote computer is coupled to the multiprocessor computer via the Internet.

58. (Previously Presented) The system of claim 50 wherein the third component comprises a computer that is remote from the multiprocessor computer, the remote computer being coupled to the multiprocessor computer and accessing the processor compatibility information using the identity of each current processor in the multiprocessor computer to determine the processors that are compatible with the at least one current processor.

59. (Previously Presented) The system of claim 50 wherein the fourth component comprises a display that is operable to display the information identifying the processors that are compatible with each current processor before adding the new processor to the multiprocessor computer.

60. (Currently Amended) A system for selecting a new processor for addition to a multiprocessor computer containing at least one current processor, the system comprising:

a first component on the multiprocessor computer that determines the identity of each current processor in the multiprocessor computer;

a second component allowing identifying information to be provided that identifies ~~identifies~~ the new processor before adding the new processor to the multiprocessor computer;

a third component remote from the multiprocessor computer that stores processor compatibility information indicative of processors that are compatible with a plurality of processors that includes each current processor;

a fourth component coupled to the first, second and third components to compare the identifying information for the new processor with the compatibility information to determine processors that are compatible with each current processor; and

a fifth component that provides an indication whether or not the new processor is compatible before adding the new processor to the multiprocessor computer.

61. (Previously Presented) The system of claim 60 wherein the first component causes each current processor to execute an instruction that returns a value identifying the current processor.

62. (Previously Presented) The system of claim 61 wherein the instruction executed by each current processor is a CUID instruction.

63. (Previously Presented) The system of claim 60 wherein the first component transmits to each current processor at least one set of instructions for execution and determines the identity of each current processor in the multiprocessor computer from the results produced by the current processor from execution of the sets of instructions.

64. (Previously Presented) The system of claim 60 wherein the first component calls operating-system specific system calls to determine the identity of each current processor in the multiprocessor computer.

65. (Previously Presented) The system of claim 60 wherein the third component comprises a memory that stores processor compatibility information indicative of processors that are compatible with a plurality of processors that includes each current processor.



66. (Previously Presented) The system of claim 60 wherein the third component comprises a computer that is remote from the multiprocessor computer, the remote computer being coupled to the multiprocessor computer and storing processor compatibility information indicative of processors that are compatible with a plurality of processors that includes each current processor.

67. (Previously Presented) The system of claim 66 wherein the remote computer is coupled to the multiprocessor computer via the Internet.

68. (Previously Presented) The system of claim 60 wherein the fourth component comprises a computer that is remote from the multiprocessor computer, the remote computer being coupled to the multiprocessor computer and being operable to compare the identifying information for the new processor with the compatibility information to determine processors that are compatible with each current processor.

69. (Previously Presented) The system of claim 60 wherein the fifth component comprises a display that displays an indication whether or not the new processor is compatible before adding the new processor to the multiprocessor computer.

70. (Currently Amended) A computer-readable medium containing instructions for causing a computer system to use processor compatibility information to select a new processor for addition to a multiprocessor computer containing at least one current processor, by:

executing a computer program on the multiprocessor computer directing each of the at least one current processor to execute at least one instruction that allows the identity of each current processor to be determined, the computer program providing identifying information indicative of the identity of each current processor;

obtaining processor compatibility information from a location that is remote from the multiprocessor computer indicative of processors that are compatible with a plurality of processors that includes the at least one current processor;

executing a computer program comparing the identifying information for each current processor in the multiprocessor computer with the processor compatibility information to determine the processors that are compatible with each current processor; and

providing information identifying the processors that are compatible with each current processor before adding the new processor to the multiprocessor computer.

71. (Currently Amended) The computer-readable medium of claim 70 wherein the computer program that obtains processor compatibility information indicative of processors that are compatible with the at least one current processor comprises a computer program that is executed on a computer that is remote from the multiprocessor computer ~~and that stores the processor compatibility information.~~

72. (Previously Presented) The computer-readable medium of claim 70 wherein a second, separate computer program is run to compare the identifying information for each current processor in the multiprocessor computer with the processor compatibility information to determine the processors that are compatible with each current processor.

73. (Previously Presented) The computer-readable medium of claim 70 wherein the computer program that obtains processor compatibility information indicative of processors that are compatible with the at least one current processor comprises a computer program that is executed on a current processor in the multiprocessor computer.

74. (Previously Presented) The computer-readable medium of claim 70 wherein the computer program that compares the identifying information for each current processor in the multiprocessor computer with the processor compatibility information to

determine the processors that are compatible with each current processor comprises a computer program that is executed on a computer that is remote from the multiprocessor computer.

75. (Previously Presented) The computer-readable medium of claim 70 wherein the computer program that compares the identifying information for each current processor in the multiprocessor computer with the processor compatibility information to determine the processors that are compatible with each current processor comprises a computer program that is executed on a current processor in the multiprocessor computer.

76. (Currently Amended) A computer-readable medium containing instructions for causing a computer system to use processor compatibility information to select a new processor for addition to a multiprocessor computer containing at least one current processor, by:

executing a computer program on the multiprocessor computer directing each of the at least one current processor to execute at least one instruction that allows the identity of each current processor to be determined, the computer program providing identifying information indicative of the identity of each current processor;

obtaining processor compatibility information from a location remote from the multiprocessor computer indicative of processors that are compatible with a plurality of processors that includes the at least one current processor;

providing identifying information indicative of the identity of the new processor before adding the new processor to the multiprocessor computer;

executing a computer program comparing the identifying information for each current processor in the multiprocessor computer with the processor compatibility information to determine the processors that are compatible with each current processor, the computer program further comparing the identifying information for the new processor with the processors determined to be compatible with each current processor; and

providing an indication whether or not the new processor is compatible before adding the new processor to the multiprocessor computer.

77. (Currently Amended) The computer-readable medium of claim 76 wherein the computer program that obtains processor compatibility information indicative of processors that are compatible with the at least one current processor comprises a computer program that is executed on a computer that is remote from the multiprocessor computer ~~and that stores the processor compatibility information.~~

78. (Previously Presented) The computer-readable medium of claim 76 wherein a second, separate computer program is run to compare the identifying information for each current processor in the multiprocessor computer with the processor compatibility information to determine the processors that are compatible with each current processor.

79. (Previously Presented) The computer-readable medium of claim 76 wherein the computer program that obtains processor compatibility information indicative of processors that are compatible with the at least one current processor comprises a computer program that is executed on a current processor in the multiprocessor computer.

80. (Previously Presented) The computer-readable medium of claim 76 wherein the computer program that compares the identifying information for each current processor in the multiprocessor computer with the processor compatibility information to determine the processors that are compatible with each current processor comprises a computer program that is executed on a computer that is remote from the multiprocessor computer.

81. (Previously Presented) The computer-readable medium of claim 76 wherein the computer program that compares the identifying information for each current processor in the multiprocessor computer with the processor compatibility information to determine the processors that are compatible with each current processor comprises a computer program that is executed on a current processor in the multiprocessor computer.

82. (Previously Presented) The computer-readable medium of claim 76 wherein the computer program that compares the identifying information for the new processor with the processors determined to be compatible with each current processor comprises a computer program that is executed on a computer that is remote from the multiprocessor computer.

83. (Previously Presented) The computer-readable medium of claim 76 wherein the computer program that compares the identifying information for the new processor with the processors determined to be compatible with each current processor comprises a computer program that is executed on a current processor in the multiprocessor computer.